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A Type Catalog of Fossil Invertebrates (Bryozoa) in the Yale Peabody Museum

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**A Type Catalog of
Fossil Invertebrates (Bryozoa)
in the Yale Peabody Museum**

Russell D. White and Laura K. Skorina

(Received 19 April 1999)

Abstract

Type material for 102 nominal species of fossil bryozoans is in the Invertebrate Paleontology Collections of Yale University's Peabody Museum of Natural History. Primary types for 30 nominal species include 30 holotypes. Secondary types for 17 nominal species include 190 paratypes (representing 17 nominal species). Tertiary types for 82 nominal species include 294 hypotypes. Most types are from New York State, Quebec and Vermont and have been described by E.R. Cumings, C.O. Dunbar, J.P. Ross and W.H. Twenhofel.

Key Words

Type Catalog, Bryozoa, Yale Peabody Museum, New York State, Quebec, Vermont, E.R. Cumings, C.O. Dunbar, J.P. Ross, W.H. Twenhofel.

Introduction

This catalog lists all known fossil bryozoan types in the Invertebrate Paleontology Collections housed in Yale University's Peabody Museum of Natural History. This is the thirteenth in a series of type catalogs of fossil invertebrates and is a product of an ongoing computerization project to improve the accessibility of the type collections.

Thirteen type specimens are missing and cannot be located. The collections have been thoroughly searched by the curatorial staff in the 1960s and 1990s and it is believed that these specimens are permanently lost. Missing specimens are indicated with a footnote, and any information on their whereabouts would be greatly appreciated.

Sixty specimens, representing five nominal species, have been designated by Ross (1963a, 1963d, 1963e) syntypes in a type series which also includes a holotype and paratypes. To eliminate the contradiction, as the status of these specimens remains unclear, they are here referred to as "Paratype?"

Organization

Specimens are listed under the originally described binomen; genera and species within genera are indexed alphabetically. Each entry includes the catalog number used by the Division of Invertebrate Paleontology prefixed with the abbreviation YPM and the type status of the original designation, followed by all known references to that specimen. Any subsequent

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designations are listed under the original designation and are cross-referenced in the body of the text. Locality descriptions follow each entry or set of entries for each binomen. Errors and inconsistencies are footnoted at the bottom of each binomen.

The type designations used are holotype, for name bearers; paratype for secondary types; hypotype is used for all tertiary types. Name bearers and secondary types are defined as used in the *International Code of Zoological Nomenclature* (ICZN 1985). Tertiary types or hypotypes are treated here as any described, figured or measured specimen used in a publication to augment the knowledge of a previously defined species, any specimens used in an original species description but not explicitly designated primary or secondary types, or any referenced specimen that cannot be placed unequivocally in a known species (e.g., *Monticulipora* sp.).

Locality descriptions follow each entry or set of entries with identical locality data. The locality information includes the stratigraphy, geography, collector and date. Stratigraphy has been standardized using *Stratigraphic Nomenclature Databases for the United States, its Possessions and Territories* (MacLachlan et al. 1992).

Catalog of Bryozoa

Amplexopora conferta (Coryell)

HYPOTYPE YPM 25226

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.265, pl.35, f.1-3.

HYPOTYPE YPM 25227

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.265, pl.35, f.4.

Middle Ordovician, Chaumont Fm. 6 ft above base of measured section, roadcut in low hill near Calcium [old name Sanford Corners], and 1.25 mi W on NY Rt. 26 from Black River village, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

Amplexopora minnesotensis (Ulrich)

HYPOTYPE YPM 25223

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.36, f.2.

Middle Ordovician, Denmark or Coburg Fm. 8 ft above base of measured section, upper Denmark or lower Coburg, along E side of N-S road just W of Pleasant Lake, and 2 mi SSW of Champion village, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

HYPOTYPE YPM 25228

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.35, f.5, pl.36, f.3.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill Fm, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

HYPOTYPE YPM 25229

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.35, f.6.

Middle Ordovician, Chaumont Fm. 9 ft above base of measured section, city quarry near Champion, and 1.25 mi E of Champion Huddle, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/27/1960.

HYPOTYPE YPM 25236

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.39, f.1.

Middle Ordovician, Chaumont Fm. 4 ft above base of measured section, roadcut in low hill near Calcium [old name Sanford Corners], and 1.25 mi W on NY Rt. 26 from Black River village, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

HYPOTYPE YPM 25404

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.38, f.5.

HYPOTYPE YPM 25405

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.38, f.6.

HYPOTYPE YPM 25406

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.38, f.7.

HYPOTYPE YPM 25412

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.262, pl.38, f.1.

Middle Ordovician, Lowville Fm. Unit 6, middle of Pamelia, S face of quarry, E side of US Rt. 9, 0.8

mi S of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 7/24/1960.

HYPOTYPE YPM 25414

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.37, f.1.

HYPOTYPE YPM 25415

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.37, f.5.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill Fm, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Amplexopora minnesotensis?* (Ulrich)**

HYPOTYPE YPM 25224

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.36, f.4.

Middle Ordovician, Denmark or Coburg Fm. 2 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25233

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.36, f.6.

Middle Ordovician, Denmark or Coburg Fm. 1 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25237

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.36, f.1.

Middle Ordovician, Denmark or Coburg Fm. 1 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25403

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.38, f.3,4.

Middle Ordovician, Denmark or Coburg Fm. 2 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

***Amplexopora cf. A. minnesotensis* (Ulrich)**

HYPOTYPE YPM 25232

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.36, f.5, pl.38, f.2.

HYPOTYPE YPM 25238

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.262, pl.39, f.3.

Middle Ordovician, Chaumont Fm. Base of measured section, Chaumont Quarry, just N of Chaumont village on E side of Chaumont River, Jefferson Co., New York, USA. Collector: Ross, J.P., 8/24/1959.

***Amplexopora* sp.**

HYPOTYPE YPM 25183

Ross, J.P. 1967b. J. Paleont. v.41, n.3, pl.67, f.9.

Middle Ordovician, Lowville Fm. 6 ft above base of measured section, quarry about 450 ft N of intersection of NY Rt. 37 and US Rt. 11, and on E side of NY Rt. 37, N edge of Watertown, Jefferson Co., New York, USA. Collector: Ross, J.P., 8/23/1959.

HYPOTYPE YPM 25863

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.7, f.3,5, pl.8, f.4.

HYPOTYPE YPM 25866

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.8, f.1-3.

Late Ordovician, Reedsville Fm. Calcareous mudstone and sandstone, roadcut immediately S of Cumberland Gap, along motel service road parallel to Tennessee Rt. 32 and US Rt. 25E, Claiborne Co., Virginia, USA. Collector: Bretsky, P.W., 6/1966.

***Amplexopora?* sp.**

HYPOTYPE YPM 25864

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.7, f.4.

HYPOTYPE YPM 25865

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.7, f.6.

Late Ordovician, Reedsville Fm. Muddy siltstone, roadcut 3.5 mi NW of Pattonville, along US Rt. 421 and 58, Powell Mountain, Lee Co., Virginia, USA. Collector: Bretsky, P.W., 7/1966.

***Amplexopora suberba* Foord**

HYPOTYPE YPM 25234

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.266, pl.36, f.7.

HYPOTYPE YPM 25235

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.266, pl.36, f.8.

Middle Ordovician, Chaumont Fm. 9 ft above base of measured section, S face of quarry, along US Rt. 67, Manny Corners, E of Amsterdam, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Amplexopora winchelli* Ulrich**

HYPOTYPE YPM 25225

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.265, pl.37, f.2.

HYPOTYPE YPM 25413

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.265, pl.37, f.4.

HYPOTYPE YPM 25416

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.265, pl.37, f.3.

Middle Ordovician, Denmark or Coburg Fm. 4 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

***Anolotichia impolita* (Ulrich)**

HYPOTYPE YPM 25397

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.280, pl.49, f.1,4.

Middle Ordovician, Rockland Fm. 1 ft above base of measured section, Sugar River, below RR trestle at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

***Atactotoechus chazyensis* Ross**

HOLOTYPE YPM 22249

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, tbl.2, pl.108, f.6.

Middle Ordovician, Chazy Fm. Top of Mbr A, 300 ft S of Peabody Locality C7096, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22240

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.107, f.6, pl.108, f.10.

Middle Ordovician, Chazy Fm. 10 ft above base of Mbr A, Brainard and Seely's section no. 1, about 150 ft SW of intersection Tracy Brook and Duprey Rd., 1.1 mi SW of Chazy, Clinton Co., New York, USA. Collector: Ross, J.P., 7/24/1960.

PARATYPE YPM 22241

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.107, f.7, pl.108, f.7.

Middle Ordovician, Chazy Fm. Lower point of Mbr A, near lake level (95 ft elevation) on Lake Champlain, E shore of Isle La Motte, 0.875 mi S of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22243

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.107, f.9.

Middle Ordovician, Chazy Fm. Near top of Mbr A, E side of NY Rt. 348, 3 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE YPM 22244

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.107, f.10.

Middle Ordovician, Chazy Fm. Lower point of Mbr A, near lake level (95 ft elevation) on Lake Champlain, E shore of Isle La Motte, 0.875 mi S of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22246

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.108, f.2,3.

Middle Ordovician, Chazy Fm. 10 ft above base of Mbr A, Brainard and Seely's section no. 1 (1888, p.326), about 150 ft SW of intersection of Tracy Brook and Duprey Rd., 1.1 mi SW of Chazy, Clinton Co., New York, USA. Collector: Ross, J.P., 7/24/1960.

PARATYPE YPM 22247

Ross, J.P. 1963c. Palaeont. v.5, pt.4, p.734, pl.108, f.4.

Middle Ordovician, Chazy Fm. Near top of Mbr A, E side of NY Rt. 348, 3 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE YPM 22248

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, tbl.2, pl.108, f.5.

PARATYPE YPM 22250

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, pl.108, f.8.

Middle Ordovician, Chazy Fm. Top of Mbr A, 300 ft S of Peabody Locality C7096, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22251

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, pl.108, f.9.

Middle Ordovician, Chazy Fm. Near top of Mbr A, E side of NY Rt. 348, 3 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE YPM 22256–22259

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734.

Middle Ordovician, Chazy Fm. Top of Mbr A, 300 ft S of Peabody Locality C7096, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22260–22263

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734.

Middle Ordovician, Chazy Fm. 16 ft above base of Mbr A, Brainard and Seely's section no. 1 (1888, p.326), about 150 ft SW of intersection of Tracy Brook and Duprey Rd., 1.1 mi SW of Chazy, Clinton Co., New York, USA. Collector: Ross, J.P., 7/24/1960.

PARATYPE YPM 22264, 22265

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734.

Middle Ordovician, Chazy Fm. Near top of Mbr A, 300 ft N of Peabody Locality C7095, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 22242

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, pl.107, f.8.

Middle Ordovician, Chazy Fm. Float, near base of Mbr B or top of Mbr A, near Peabody Locality C7075 in small quarry on E side of NY Rt. 348, 3 mi

SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22245

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, pl.108, f.1.

Middle Ordovician, Chazy Fm. 300 yd N of Peabody Locality C7099, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 22255

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.734, pl.108, f.11.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

***Atactotoechus kayi* Ross**

HOLOTYPE YPM 22236

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.737, tbl.3, pl.106, f.5,8, pl.107, f.1.

Middle Ordovician, Chazy Fm. In Mbr C and 194 ft above Peabody Locality C7075, in horizon with abundant *Rastricellula plena*, E side of NY Rt. 348, 1.5 mi S25W of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE YPM 22237

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.737, pl.106, f.9, pl.107, f.5.

PARATYPE YPM 22238

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.737, pl.107, f.2,4.

Middle Ordovician, Chazy Fm. Float, near base of Mbr B or top of Mbr A, near Peabody Locality C7075 in small quarry on E side of NY Rt. 348, 3 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE YPM 22239

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.737, tbl.3, pl.107, f.3.

Middle Ordovician, Chazy Fm. Middle of Mbr B, 78 ft above Peabody Locality C7075, W side of NY Rt. 348, 2 mi SW of center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

***Batostoma campensis* Ross**

HOLOTYPE YPM 22208

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, tbl.4, pl.110, f.2,3,5,9.

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7105, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22187

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, tbl.4, pl.106, f.6.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22188

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, tbl.4, pl.106, f.8, pl.107, f.8, pl.109, f.9, pl.110, f.4.^a

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7105, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22197

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.107, f.10.

Middle Ordovician, Chazy Fm. Mbr C, 1 ft above lake level, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22201

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, tbl.4, pl.108, f.9.

Middle Ordovician, Crown Point Limestone. Point N of Smuggler's Bay, Valcour Island, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

PARATYPE YPM 22202

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.109, f.1,2,6,8.^b

Middle Ordovician, Crown Point Limestone. Along shore from Tiger Point to Big Dyke, Valcour Island, Clinton Co., New York, USA. Collector: Beecher, C.E. and Raymond, P.E., 1903.

PARATYPE YPM 22203

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, tbl.4, pl.109, f.3,7.^c

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7105, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22205

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.109, f.5.

Middle Ordovician, Chazy Fm. Mbr C, 1 ft above lake level, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22206

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.109, f.10.^d

PARATYPE YPM 22207

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.110, f.1.

PARATYPE YPM 22210

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.110, f.7.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22211

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.110, f.8.

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7106, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22212

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.110, f.10.

Middle Ordovician, Crown Point Limestone. Point N of Smuggler's Bay, Valcour Island, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

PARATYPE YPM 22214–22216

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7105, Eagle Camp, S side of

Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22217

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22218

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, and Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22219

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. Mbr C, on E slope of hill, 0.6 mi SW of Rutland RR station, in South Hero village, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22221

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. Mbr C, 1 ft above lake level, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22222, 22223

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Chazy Fm. Mbr C, 2 ft above Peabody Locality C7106, Eagle Camp, S side of Rockwell Bay, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/22/1959.

PARATYPE YPM 22224, 22225

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863.

Middle Ordovician, Crown Point Limestone. Point N of Smuggler's Bay, Valcour Island, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

HYPOTYPE YPM 22204

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.109, f.4.^e

HYPOTYPE YPM 22209

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.863, pl.110, f.6.^e

Middle Ordovician, Chazy Fm. Providence Island, Grand Isle Co., Vermont, USA. Collector: Raymond, P.E.

^aThe specimen illustrated on pl.110, f.4, and on pl.109, f.7 cannot be found on the thin section assigned to YPM 22188.

^bThe specimen illustrated on pl.109, f.8 cannot be found on the thin section assigned to YPM 22202.

^cThe specimen illustrated on pl.109, f.7 cannot be found on the thin section assigned to YPM 22203.

^dThe specimen illustrated on pl.109, f.10 cannot be found on the thin section assigned to YPM 22206.

^eIncorrectly cited as collecting locality YPM 65 on p. 865.

***Batostoma chazyensis* Ross**

HOLOTYPE YPM 22186

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.859, tbl.1, pl.106, f.1-5,7.

Middle Ordovician, Chazy Fm. 87 ft above base of Mbr B, W side of NY Rt. 348, 1.85 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22268

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.859, tbl.1.

Middle Ordovician, Chazy Fm. In Mbr C and 194 ft above Peabody Locality C7075, in horizon with abundant *Rastricellula plena*, E side of NY Rt. 348, 1.5 mi S25W of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

***Batostoma lanensis* Ross**

HOLOTYPE YPM 22200

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.861, tbl.2, pl.108, f.4,7.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22198

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.861, pl.107, f.11.^b

PARATYPE? YPM 22199

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.861, tbl.2, pl.108, f.1-3,6,8.^b

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22213

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.861.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

^aThe specimen illustrated on pl.108, f.7 cannot be found on either of the two thin sections assigned to YPM 22200.

^bCited as syntype.

***Batostoma sheldonensis* Ross**

HOLOTYPE YPM 22189

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, tbl.3, pl.107, f.1,3,5, pl.108, f.5.^a

PARATYPE YPM 22190

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, tbl.3, pl.107, f.2.

PARATYPE YPM 22191

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, pl.107, f.6.

PARATYPE YPM 22192

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, pl.107, f.7.

PARATYPE YPM 22193, 22194

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862.

PARATYPE YPM 22195

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, pl.107, f.4.

PARATYPE YPM 22196

Ross, J.P. 1963e. *J. Paleont.* v.37, n.4, p.862, pl.107, f.9.

Middle Ordovician, Chazy Fm. Base of Mbr C, 2-5 ft above locality, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.4 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

^aThe specimen illustrated on pl.105, f.7 cannot be found on the thin section assigned to YPM 22189.

Batostoma? sp.

HYPOTYPE YPM 25396

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.275, pl.46, f.5.

Middle Ordovician, Denmark Fm. 374 ft above base of measured section (contact with Precambrian), W along Roaring Brook from NY Rt. 12, and E of Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/25/1959.

Batostomella sp.

HYPOTYPE YPM 25857

Bretsky, P.W. 1970. *Bull. Peabody Mus. Nat. Hist.* n.34, p.73, pl.6, f.1-3.

Late Ordovician, Reedsville Fm. Sandstone and muddy siltstone, roadcut 3.0 mi W of Joppa, along Joppa-Powder Springs road, Clinch Mountain, Grainger Co., Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

***Bythopora dendrina* (James)**

HYPOTYPE YPM 25151

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3, p.642, pl.67, f.3.

Middle Ordovician, Shoreham Fm. 4 ft above base of measured section, exposed in Deer River at bridge crossing, Kings Falls, and about 2.5 mi NE of Copenhagen, Lewis Co., New York, USA. Collector: Ross, J.P., 7/27/1960.

HYPOTYPE YPM 25152

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3, p.642, pl.67, f.7.

Middle Ordovician, Rockland Fm? Near Champion, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/27/1960.

HYPOTYPE YPM 25153

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3, p.642, pl.67, f.8.

Middle Ordovician, Shoreham Fm? 8 ft above base of measured section, roadcut on NY Rt. 29E, about

1 mi E of Middleville, Herkimer Co., New York, USA.
Collector: Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25154

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3,
p.642, pl.67, f.10.

HYPOTYPE YPM 25170

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3,
p.642, pl.69, f.4, pl.72, f.3.

Middle Ordovician, Rockland Fm? Near Champion,
Jefferson Co., New York, USA. Collector: Ross,
J.P., 7/27/1960.

***Calopora dumalis* (Ulrich)**

HYPOTYPE YPM 25218

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.44, f.2,7.

HYPOTYPE YPM 25219

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.44, f.3.

Middle Ordovician, Denmark or Coburg Fm. 8 ft above
base of measured section, upper Denmark or lower
Coburg, along E side of N-S road just W of Pleasant
Lake, and 2 mi SSW of Champion village, Jefferson
Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

HYPOTYPE YPM 25220

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.44, f.4.

HYPOTYPE YPM 25221

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.44, f.8,9.

HYPOTYPE YPM 25409

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.45, f.4.

Middle Ordovician, Denmark or Coburg Fm. 13 ft
above base of measured section, upper Denmark
or lower Coburg, Talcottville Quarry, on W side of
NY Rt.120, N edge of Talcottville, Lewis Co., New
York, USA. Collector: Ross, J.P., 8/27/1959.

***Calopora cf. C. dumalis* (Ulrich)**

HYPOTYPE YPM 25222

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.273, pl.44, f.5,10.

Late Ordovician, Pulaski Shale? Glacial drift,
Whetstone Gulf, Lewis Co., New York, USA.
Collector: Ross, J.P., 5/23/1958.

***Calopora onealli* (James)**

HYPOTYPE YPM 25217

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.271, pl.44, f.1.

Middle Ordovician, Rockland Fm. 4 ft above base of
measured section, Sugar River, below RR trestle at
US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25410

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.271, pl.44, f.2,3.

HYPOTYPE YPM 25411

Ross, J.P. 1969. *J. Paleont.* v.43, n.2,
p.271, pl.44, f.5.

Middle Ordovician, Shoreham Fm. 28 ft base of part
of measured section, Rathbun Brook, 2.3 mi NW of
Newport, Herkimer Co., New York, USA. Collector:
Ross, J.P., 8/28/1959.

***Chazydictya chazyensis* Ross**

HOLOTYPE YPM 22067

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74,
n.5, p.587, tbl.2, pl.2, f.3,7,9.

PARATYPE? YPM 22068

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74,
n.5, p.587, tbl.2, pl.2, f.1.^a

PARATYPE? YPM 22069

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74,
n.5, p.587, pl.2, f.2, pl.7, f.9.^a

PARATYPE? YPM 22070

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74,
n.5, p.587, tbl.2, pl.2, f.4.^a

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of
Isle La Motte village toward Jordan Point, Isle La
Motte, Grand Isle Co., Vermont, USA. Collector:
Ross, J.P., 8/21/1959.

PARATYPE? YPM 22071

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74,
n.5, p.587, pl.2, f.6.^a

PARATYPE? YPM 22072

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587, tbl.2, pl.2, f.8.^a

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE? YPM 22073

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587, pl.2, f.5.^a

Middle Ordovician, Chazy Fm. N of Valcour village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/18/1959.

PARATYPE? YPM 22094

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587, pl.7, f.10.^a

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE? YPM 22095, 22096

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587.^a

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE? YPM 22097, 22098, 22102-22105, 22107

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587.^a

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE? YPM 22099, 22101, 22106

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of

Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22100

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587.^a

Middle Ordovician, Chazy Fm. N of Valcour village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/18/1959.

PARATYPE? YPM 22108

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587, pl.2, f.10.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22155

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.587, pl.7, f.3.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

^aCited as syntype.

***Cheiloclema* sp.**

HYPOTYPE YPM 35779, 35780

Dunbar, C.O. 1928. Am. J. Sci. v.216, p.165.

Late Cretaceous, Ripley Fm. Near top of Ripley, 20 ft below ground surface, fresh roadcut in low bluff on S side of King Creek, on New Albany-Ingomar Rd., 3 mi S of New Albany, W SIDE NW Sec29T7SR3E, Union Co., Mississippi, USA. Collector: Barton, E.R., 1927.

***Coeloclema alternatum* (James)**

HYPOTYPE YPM 25184

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.278, pl.46, f.4.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

HYPOTYPE YPM 25185

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.278, pl.46, f.7,9.

Middle Ordovician, Coburg Fm, Rust Mbr. 199 ft
above base of measured section, at Fourth Falls,
along West Canada Creek, Trenton Falls village,
Oneida Co., New York, USA. Collector: Ross,
J.P., 7/29/1960.

HYPOTYPE YPM 25186

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.278, pl.46, f.8.

Middle Ordovician, Denmark Fm. 470 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25187

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.278, pl.46, f.2.

Middle Ordovician, Rockland Fm. 4 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

***Constellaria islensis* Ross**

HOLOTYPE YPM 22181

Ross, J.P. 1963a. J. Paleont. v.37, n.1, p.54,
tbl.(p.55), pl.5, f.2,7,10, pl.6, f.4,6,7.

PARATYPE? YPM 22182

Ross, J.P. 1963a. J. Paleont. v.37, n.1,
p.54, pl.5, f.9, pl.6, f.1,3.^a

PARATYPE? YPM 22183

Ross, J.P. 1963a. J. Paleont. v.37, n.1,
p.54, pl.6, f.8.^a

PARATYPE? YPM 22184

Ross, J.P. 1963a. J. Paleont. v.37, n.1,
p.54, pl.6, f.2.^a

PARATYPE? YPM 22185

Ross, J.P. 1963a. J. Paleont. v.37, n.1, p.54.^a

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of
Isle La Motte village toward Jordan Point, Isle La
Motte, Grand Isle Co., Vermont, USA. Collector:
Ross, J.P., 8/21/1959.

^aCited as syntype.

***Constellaria* sp.**

HYPOTYPE YPM 25407

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.275, tbl.10, pl.46, f.3.

HYPOTYPE YPM 25408

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.275, tbl.10, pl.46, f.1

Middle Ordovician, Coburg Fm. 589 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/26/1959.

***Crownopora singularis* Ross**

HOLOTYPE YPM 25173

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.72, f.4,10, pl.74, f.3.

PARATYPE YPM 25174

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.72, f.7.

PARATYPE YPM 25175

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.72, f.8.

Middle Ordovician, Shoreham Fm. Unit C40-42,
measured section, Crown Point, Essex Co., New
York, USA. Collector: Ross, J.P., 7/26/1960.

PARATYPE YPM 25176

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.72, f.9.

Middle Ordovician, Rockland Fm. 4 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25178

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.73, f.1.

PARATYPE YPM 25179

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.73, f.2-4.

PARATYPE YPM 25180

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.645, pl.74, f.1.

PARATYPE YPM 25181

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3, p.645, pl.74, f.2.

PARATYPE YPM 25182

Ross, J.P. 1967b. *J. Paleont.* v.41, n.3, p.645, pl.74, f.4.

Middle Ordovician, Shoreham Fm. 7 ft above base of measured section, roadcut along US Rt. 67, Manny Corners, E of Amsterdam, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Cyclotrypa perlaevis* Moore and Dudley**

HOLOTYPE YPM 25286

Moore, R.C. and R.M. Dudley. 1944. *Bull. Kans. Geol. Surv.* n.52, pt.6, p.287, pl.15, f.4, pl.22, f.4, pl.29, f.6, pl.36, f.2.^a

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, bed 4, Wolf Camp, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 89-30.

***Cyclotrypa torosa* Moore and Dudley**

HOLOTYPE YPM 25282

Moore, R.C. and R.M. Dudley. 1944. *Bull. Kans. Geol. Surv.* n.52, pt.6, p.286, pl.14, f.4, pl.21, f.7, pl.28, f.4, pl.35, f.4.^a

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, *Uddenites* member, bed 1B, Wolf Camp, 12 mi N, 35 mi E of Marathon, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 88-30.

***Dekayia appressa* Ulrich**

HYPOTYPE YPM 27855

Cumings, E.R. 1908. *Indiana Dept. Geol. Nat. Res.* 32nd Ann. Rpt. p.809, pl.13, f.3.

Late Ordovician, Richmond Grp. Section along Tanner's Creek from Manchester Station to the first railroad bridge W of Harmon's Station, Dearborn Co., Indiana, USA. Collector: Cumings, E.R.

***Dekayia aspera* Milne-Edwards and Haime**

HYPOTYPE YPM 27856

Cumings, E.R. 1908. *Indiana Dept. Geol. Nat. Res.* 32nd Ann. Rpt. p.810, pl.13, f.5-5b, pl.27, f.20.

Upper Ordovician, Lorraine Grp. Boundary SE SE Sec22T6NR2W, Dearborn Co., Indiana. Collector: Cumings, E.R.

***Dekayia inflecta* (Ulrich)**

HYPOTYPE YPM 27858

Cumings, E.R. 1908. *Indiana Dept. Geol. Nat. Res.* 32nd Ann. Rpt. p.814, pl.15, f.2, 2a.

Late Ordovician, Richmond Grp. Section along Tanner's Creek from level of creek at Guilford to top of hill just E of Manchester Station, Dearborn Co., Indiana, USA. Collector: Cumings, E.R.

***Dekayia obscura* (Ulrich)**

HYPOTYPE YPM 27857

Cumings, E.R. 1908. *Indiana Dept. Geol. Nat. Res.* 32nd Ann. Rpt. p.816, pl.14, f.3.

Late Ordovician, Richmond Grp. Section along Tanner's Creek from level of creek at Guilford to top of hill just E of Manchester Station, Dearborn Co., Indiana, USA. Collector: Cumings, E.R.

***Dekayia* sp.**

HYPOTYPE YPM 25850

Bretsky, P.W. 1970. *Bull. Peabody Mus. Nat. Hist.* n.34, p.71, pl.3, f.4, pl.4, f.3.

Late Ordovician, Reedsville Fm. Calcareous sandstone interbedded with muddy siltstone, roadcut 2.0 mi W of Ridenour, along TN Rt. 61, Lone Mountain, Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25851

Bretsky, P.W. 1970. *Bull. Peabody Mus. Nat. Hist.* n.34, p.71, pl.4, f.4, pl.5, f.2.

Late Ordovician, Martinsburg Fm. Siltstone, ferruginous stain, roadcut about 12 mi W of Franklin, along US Rt. 33, Pendleton Co., Virginia, USA. Collector: Bretsky, P.W., 8/1965.

HYPOTYPE YPM 25852

Bretsky, P.W. 1970. *Bull. Peabody Mus. Nat. Hist.* n.34, p.71, pl.4, f.2, pl.5, f.1.

Late Ordovician, Reedsville Fm. Limestone and calcareous shale, roadcut 2.5 mi W of Sycamore Hall, along unpaved road from Sycamore Hall through Wallen Ridge that joins with unmarked paved road 2.0 mi N of Tazwell, Claiborne Co., Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25853

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.71, pl.4, f.5,6.

Late Ordovician, Reedsville Fm. Sandstone and muddy siltstone roadcut 3.0 mi W of Joppa, along Joppa-Powder Springs Rd., Clinch Mountain, Grainger Co., Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25854

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.71, pl.4, f.1.

HYPOTYPE YPM 25855

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.71, pl.5, f.3.

Late Ordovician, Martinsburg Fm. Siltstone, ferruginous stain, roadcut about 12 mi W of Franklin, along US Rt. 33, Pendleton Co., Virginia, USA. Collector: Bretsky, P.W., 8/1965.

HYPOTYPE YPM 25856

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.71, pl.5, f.4.

Late Ordovician, Reedsville Fm. Calcareous sandstone interbedded with muddy siltstone, roadcut 2.0 mi W of Ridenour, along TN Rt. 61, Lone Mountain, Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 36260

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.71.

Late Ordovician, Martinsburg Fm. Siltstone, ferruginous stain, roadcut about 12 mi W of Franklin, along US Rt. 33, Pendleton Co., Virginia, USA. Collector: Bretsky, P.W., 8/1965.

***Dekayia subpulchella* (Nicholson)**

HYPOTYPE YPM 27859

Cumings, E.R. 1908. Indiana Dept. Geol.
Nat. Res. 32nd Ann. Rpt. p.822, pl.16, f.1.

Late Ordovician, Richmond Grp. Section along Tanner's Creek from level of creek at Guilford to top of hill just E of Manchester Station, Dearborn Co., Indiana, USA. Collector: Cumings, E.R.

***Dekayia sugarensis* Ross**

HOLOTYPE YPM 25230

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.39, f.2,5,7.

Middle Ordovician, Denmark or Coburg Fm. 13 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

PARATYPE YPM 25231

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.39, f.4,9.

Middle Ordovician, Denmark or Coburg Fm. 2 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

PARATYPE YPM 25240

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.39, f.6.

Middle Ordovician, Denmark or Coburg Fm. 8 ft above base of measured section, upper Denmark or lower Coburg, along E side of N-S road just W of Pleasant Lake, and 2 mi SSW of Champion village, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

PARATYPE YPM 25242

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.39, f.8.

Middle Ordovician, Denmark or Coburg Fm. 13 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

PARATYPE YPM 25244

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.40, f.1,7.

Middle Ordovician, Coburg Fm, Rust Mbr. 201 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 5/22/1958.

PARATYPE YPM 25246

Ross, J.P. 1969. J. Paleont. v.43, n.2,
p.267, pl.40, f.6.

Middle Ordovician, Coburg Fm, Steuben Mbr. 262 ft above base of measured section, above Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

PARATYPE YPM 25249^a

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267.

Middle Ordovician. No locality information available.

PARATYPE YPM 25250

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.40, f.4.

Middle Ordovician, Denmark or Coburg Fm. 11 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

PARATYPE YPM 25377

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.40, f.3.

Middle Ordovician, Coburg Fm, Rust Mbr. 199 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/29/1960.

PARATYPE YPM 25378

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.1,4.

PARATYPE YPM 25379

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.2,3.

Middle Ordovician, Glens Falls Limestone. Unit 10, S face of quarry, E side of US Rt. 9, 0.8 mi S of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 7/24/1960.

PARATYPE YPM 25380

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.5,10.

PARATYPE YPM 25381

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.7,11.

Middle Ordovician, Coburg Fm, Rust Mbr. 196 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/29/1960.

PARATYPE YPM 25383

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.8.

Middle Ordovician, Shoreham Fm? 40 ft above base of measured section at bed of Steuben Creek where

it crosses NY Rt. 28B, Trenton [=Barneveld], 1.3 mi NW of Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

PARATYPE YPM 25384

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.41, f.9.

Middle Ordovician, Coburg Fm, Rust Mbr. 201 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 5/22/1958.

PARATYPE YPM 25387

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.2.

PARATYPE YPM 25388

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.5.

PARATYPE YPM 25389

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.6.

Middle Ordovician, Rockland Fm. 4 ft above base of measured section, Sugar River, below RR trestle at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25390

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.4.

Middle Ordovician, Denmark Fm. 470 ft above base of measured section (contact with Precambrian), W along Roaring Brook from NY Rt. 12, and E of Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25392

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.8.

PARATYPE YPM 25393

Ross, J.P. 1969. *J. Paleont.* v.43, n.2, p.267, pl.42, f.9.

Middle Ordovician, Shoreham Fm. 40 ft base of part of measured section, Rathbun Brook, 2.3 mi NW of Newport, Herkimer Co., New York, USA. Collector: Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25247

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.40, f.2.

HYPOTYPE YPM 25248

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.40, f.8

Middle Ordovician, Denmark Fm? Along West Canada Creek, near Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25376

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.40, f.5.

Middle Ordovician, Shoreham Fm, Rathbun Mbr. Roadcut 1 mi W of Newport, Herkimer Co., New York, USA. Collector: Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25382

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.41, f.6.

Middle Ordovician, Denmark Fm? Along West Canada Creek, near Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25385

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.42, f.1.

HYPOTYPE YPM 25386

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.42, f.3.

HYPOTYPE YPM 25391

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.267, pl.42, f.7.

Middle Ordovician, Shoreham Fm, Rathbun Mbr. Roadcut 1 mi W of Newport, Herkimer Co., New York, USA. Collector: Ross, J.P., 8/28/1959.

^aA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Dekayia ulrichi* (Nicholson)**

HYPOTYPE YPM 27999

Cumings, E.R. 1902. Am. Geol. v.29, p.203, pl.9, f.1.

Late Ordovician, Eden Grp. Brown Street, Cincinnati, Hamilton Co., Ohio, USA. Collector: Fischer, M.

***Diplotrypa schucherti* Fritz**

HOLOTYPE YPM 24950

Fritz, M.A. 1966. J. Paleont. v.40, n.6, p.1335, pl.165, f.1-3, pl.166, f.1.^a

Fritz, M.A. 1967. J. Paleont. v.41, n.6, p.1578.

Ordovician, Long Point Grp. Three Rocks Point, St. George Peninsula, Newfoundland, Canada. Collector: Dunbar, C.O., Dunbar, C.O., Jr. and Leith, E.I., 1933.

^aIncorrectly cited as YPM 4656/34.

***Diplotrypa westoni* Ulrich**

HYPOTYPE YPM 25423

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.368, pl.68, f.1,3.

HYPOTYPE YPM 25424

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.368, pl.68, f.2.

Middle Ordovician, Coburg Fm. Above 6-in dense fragmental calcilutite, Gulf Creek, near Champion, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

***Eopachydictya gregaria* Ross**

HOLOTYPE YPM 22076

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, tbl.5, pl.4, f.2.

PARATYPE? YPM 22075

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, tbl.5, pl.4, f.1,9,10.^a

PARATYPE? YPM 22077

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, tbl.5, pl.4, f.3.^a

PARATYPE? YPM 22078

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.4, f.4.^a

PARATYPE? YPM 22079

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, tbl.5, pl.4, f.5.^a

PARATYPE? YPM 22080

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.4, f.7.^a

PARATYPE? YPM 22081

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.4, f.11.^a

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE? YPM 50001^b

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591.^{a c}

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

^aCited as syntype.

^bA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

^cIncorrectly cited as YPM 22109.

***Eridotrypa crownensis* Ross**

HOLOTYPE YPM 22271

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.638, pl.70, f.3,4.

PARATYPE YPM 22270

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.638, pl.70, f.1,2,5,9.

PARATYPE YPM 22272

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.638, pl.70, f.6,10.

PARATYPE YPM 22273

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.638, pl.70, f.7,8.

PARATYPE YPM 25171

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.638, pl.69, f.8,10.

Middle Ordovician, Chaumont Fm. Unit C23, measured section, Crown Point, Essex Co., New York, USA. Collector: Ross, J.P., 7/23/1960.

***Eridotrypa mutabilis* Ulrich**

HYPOTYPE YPM 25162

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.637, pl.69, f.1.

HYPOTYPE YPM 25163

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.637, pl.69, f.5.

HYPOTYPE YPM 25164

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.637, pl.69, f.6.

HYPOTYPE YPM 25165

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.637, pl.69, f.9.

HYPOTYPE YPM 25166

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.637, pl.69, f.11.

Middle Ordovician, Shoreham Fm. 3 ft above base of measured section, outcrop in field, about 0.1 mi S of E-W road and 0.3 mi SE of Isle La Motte village, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

***Favositella* sp.**

HYPOTYPE YPM 25400

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.282, pl.49, f.5,6.

Middle Ordovician, Chaumont Fm. 9 ft above base of measured section, S face of quarry, along US Rt. 67, Manny Corners, E of Amsterdam, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Fenestella acmea* Hall**

HYPOTYPE YPM 26434

Cumings, E.R. 1905. Am. J. Sci. v.170, p.173, pl.7, f.52.

Middle Silurian, Waldron Shale. Waldron, Shelby Co., Indiana, USA.

***Fenestella coronis* Hall**

HYPOTYPE YPM 26179

Cumings, E.R. 1904. Am. J. Sci. v.167, p.59, tf.45(upper).

HYPOTYPE YPM 26180^a

Cumings, E.R. 1904. Am. J. Sci. v.167, p.59, tf.45(middle).

HYPOTYPE YPM 26181

Cumings, E.R. 1904. Am. J. Sci. v.167, p.59, tf.45(lower).

Ordovician, Cincinnati. Cincinnati, Ohio, USA. Collector: Cumings, E.R.

HYPOTYPE YPM 26391

Cumings, E.R. 1904. Am. J. Sci. v.167, p.59, tf.44.

HYPOTYPE YPM 26392

Cumings, E.R. 1904. Am. J. Sci. v.167, p.59, tf.46.

Early Devonian, Helderberg Grp, New Scotland Limestone. Lower Helderberg, Indian Ladder, Thatcher State Park, near New Salem, Albany Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 26393

Cumings, E.R. 1904. Am. J. Sci. v.167, p.61, tf.47-50.

Middle Devonian, Hamilton Grp. Canandaigua Lake, New York, USA. Collector: Beecher, C.E.

^aA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Fenestella* sp.**

HYPOTYPE YPM 26394

Cumings, E.R. 1904. Am. J. Sci. v.167, p.61, tf.51.

HYPOTYPE YPM 26395

Cumings, E.R. 1904. Am. J. Sci. v.167, p.64, tf.52.

Early Devonian, Helderberg Grp, New Scotland Limestone. Lower Helderberg, Indian Ladder, Thatcher State Park, near New Salem, Albany Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 26396

Cumings, E.R. 1904. Am. J. Sci. v.167, p.64, tf.53,54.

Middle Devonian, Hamilton Grp. Canandaigua Lake, New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 26397

Cumings, E.R. 1904. Am. J. Sci. v.167, p.61, tf.55.

HYPOTYPE YPM 26398

Cumings, E.R. 1904. Am. J. Sci. v.167, p.63, tf.56.

Middle Devonian, Hamilton Grp. Thedford, Ontario, Canada. Collector: Beecher, C.E.

HYPOTYPE YPM 26399

Cumings, E.R. 1904. Am. J. Sci. v.167, p.64, tf.57.^a

Middle Devonian, Hamilton Grp. East Bethany, Genesee Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 26400

Cumings, E.R. 1904. Am. J. Sci. v.167, p.63, tf.58,62.

HYPOTYPE YPM 26401

Cumings, E.R. 1904. Am. J. Sci. v.167, n.97, p.64, tf.59.

HYPOTYPE YPM 26402

Cumings, E.R. 1904. Am. J. Sci. v.167, p.63, tf.60.

HYPOTYPE YPM 26403

Cumings, E.R. 1904. Am. J. Sci. v.167, p.64, tf.61.

HYPOTYPE YPM 26415

Cumings, E.R. 1905. Am. J. Sci. v.170, p.173, pl.6, f.17.

HYPOTYPE YPM 26416

Cumings, E.R. 1905. Am. J. Sci. v.170, p.173, pl.6, f.18.

HYPOTYPE YPM 26417

Cumings, E.R. 1905. Am. J. Sci. v.170, p.171, pl.6, f.19.

HYPOTYPE YPM 26418

Cumings, E.R. 1905. Am. J. Sci. v.170, p.171, pl.6, f.20.

HYPOTYPE YPM 26419

Cumings, E.R. 1905. Am. J. Sci. v.170, p.172, pl.6, f.21.

HYPOTYPE YPM 26420

Cumings, E.R. 1905. Am. J. Sci. v.170, p.172, pl.6, f.22.

HYPOTYPE YPM 26421

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.6, f.23.

HYPOTYPE YPM 26422

Cumings, E.R. 1905. Am. J. Sci. v.170,
pl.6, f.25.

HYPOTYPE YPM 26423

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.173, pl.6, f.26.

HYPOTYPE YPM 26425

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.36.

HYPOTYPE YPM 26426

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.37,47.

HYPOTYPE YPM 26427

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.38,51.

HYPOTYPE YPM 26428

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.7, f.39,44.

HYPOTYPE YPM 26429

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.7, f.40.

HYPOTYPE YPM 26430

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.7, f.41.

HYPOTYPE YPM 26431

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.42,54-58.

HYPOTYPE YPM 26432

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.43,48.

HYPOTYPE YPM 26433

Cumings, E.R. 1905. Am. J. Sci. v.170,
pl.7, f.46.

HYPOTYPE YPM 26435

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.7, f.59,60.

HYPOTYPE YPM 26436

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.6, f.24.

HYPOTYPE YPM 26440

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.171, pl.5, f.1-16.

HYPOTYPE YPM 26441

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.173, pl.7, f.49.

HYPOTYPE YPM 42999^b

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.7, f.45.

HYPOTYPE YPM 43000^b

Cumings, E.R. 1905. Am. J. Sci. v.170,
p.172, pl.7, f.50.

Middle Devonian, Hamilton Grp. Thedford, Ontario,
Canada. Collector: Beecher, C.E.

^aLocality incorrectly cited as Thedford, Ontario.

^bA thorough search of the collections by the curatorial
staff in the 1960s and 1990s could not locate this
specimen. It is believed to be permanently lost.

***Graptodictya shafferi* (Meek)**

HYPOTYPE YPM 20796

Ross, J.P. 1960a. J. Paleont. v.34, n.5,
p.859, pl.108, f.2.

HYPOTYPE YPM 20797

Ross, J.P. 1960a. J. Paleont. v.34, n.5,
p.859, pl.108, f.4.

HYPOTYPE YPM 20798

Ross, J.P. 1960a. J. Paleont. v.34, n.5,
p.859, pl.108, f.5.

HYPOTYPE YPM 20799

Ross, J.P. 1960a. J. Paleont. v.34, n.5,
p.859, pl.108, f.3.

HYPOTYPE YPM 20800

Ross, J.P. 1960a. J. Paleont. v.34, n.5,
p.859, pl.108, f.7.

Ordovician, Liberty Fm. Four Mile creek, 7 mi N of
Oxford, Butler Co., Ohio, USA. Collector:
Shideler, W.H.

***Hallopora* sp.**

HYPOTYPE YPM 25867

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.75, pl.9, f.1,4.

Late Ordovician, Reedsville Fm. Muddy siltstone, roadcut 1.5 mi S of Rose Hill, along TN Rt. 33, Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25868

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.75, pl.9, f.2.

Late Ordovician, Reedsville Fm. Interbedded shale and ferruginous sandstone, occasional shale pebble conglomerate, quarry 1.0 mi S of Raughtown within PA State Park grounds a few hundred yd E of PA Rt. 880, Clinton Co., Pennsylvania, USA. Collector: Bretsky, P.W., 5/1966.

HYPOTYPE YPM 25869

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.75, pl.9, f.3.

Late Ordovician, Reedsville Fm. Sandstone and muddy siltstone, roadcut 1.5 mi SE of Mt. Gate, along VA Primary Rt. 16, Clinch Mountain, Virginia, USA. Collector: Bretsky, P.W., 7/1966.

HYPOTYPE YPM 25870

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.75, pl.9, f.5.

Late Ordovician, Reedsville Fm. Interbedded shale and ferruginous sandstone, occasional shale pebble conglomerate, quarry 1.0 mi S of Raughtown within PA State Park grounds a few hundred yd E of PA Rt. 880, Clinton Co., Pennsylvania, USA. Collector: Bretsky, P.W., 5/1966.

HYPOTYPE YPM 25871

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.75, pl.9, f.6.

Late Ordovician, Reedsville Fm. Sandstone and muddy siltstone, roadcut 1.5 mi SE of Mt. Gate, along VA Primary Rt. 16, Clinch Mountain, Virginia, USA. Collector: Bretsky, P.W., 7/1966.

***Helopora* sp.**HYPOTYPE YPM 6867^a

Twenhofel, W.H. 1926. Nat. Hist. v.26, n.5, p.523.

Silurian, Jupiter Fm. East Cliff, Anticosti Island, Quebec, Canada.

^a A thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Helopora?* sp.**

HYPOTYPE YPM 25398

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.282, pl.46, f.6, pl.49, f.2.

HYPOTYPE YPM 25399

Ross, J.P. 1969. J. Paleont. v.43, n.2, p.282, pl.46, f.6, pl.49, f.3,7.

Middle Ordovician, Denmark Fm? Along West Canada Creek, near Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

***Helopora?* sp. A**

HYPOTYPE YPM 22279

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.9.

HYPOTYPE YPM 22280

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.8.

HYPOTYPE YPM 22281

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.5.

Middle Ordovician, Chazy Fm. Top of Mbr A, 300 ft S of Peabody Locality C7096, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 22282

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.2,12.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22283

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.4.

HYPOTYPE YPM 22284

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.62, pl.8, f.6.

Middle Ordovician, Chazy Fm. Top of Mbr A, 300 ft S of Peabody Locality C7096, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

***Hemiphragma cf. H. pulchra* Loeblich**

HYPOTYPE YPM 25444

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.371, pl.69, f.2,4.

HYPOTYPE YPM 25448

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.371, pl.69, f.7.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill Fm, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Hemiphragma tenuimurale* Ulrich**

HYPOTYPE YPM 25241

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.69, f.1.

Middle Ordovician, Denmark or Coburg Fm. 13 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25445

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.70, f.5.^a

Middle Ordovician, Coburg Fm, Rust Mbr. 201 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 5/22/1958.

HYPOTYPE YPM 25446

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.69, f.5,9.

Middle Ordovician, Denmark Fm, Poland Mbr. 32 ft above base of measured section, Sherman Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25447

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.69, f.6.

Middle Ordovician, Denmark or Coburg Fm. 13 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25450

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.70, f.1.

Middle Ordovician, Denmark Fm, Poland Mbr. 32 ft above base of measured section, Sherman Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 35141

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.69, f.3.^b

Middle Ordovician, Coburg Fm, Rust Mbr. 201 ft above base of measured section, at Fourth Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 5/22/1958.

HYPOTYPE YPM 35142

Ross, J.P. 1970. J. Paleont. v.44, n.2, p.370, pl.69, f.38.^c

Middle Ordovician, Denmark or Coburg Fm. 8 ft above base of measured section, upper Denmark or lower Coburg, along E side of N-S road just W of Pleasant Lake, and 2 mi SSW of Champion village, Jefferson Co., New York, USA. Collector: Ross, J.P., 7/26/1960.

^aNot pl.69, f.3.

^bCited as YPM 25445.

^cCited as YPM 25449.

***Heterotrypa* sp.**

HYPOTYPE YPM 25861

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.7, f.1.

Late Ordovician, Reedsville Fm. Muddy siltstone and calcareous mudstone interbedded with calcareous sandstone, roadcut 3.0 mi N of Mendota, along unpaved Mendota-Collinwood Rd., Russell Co., Virginia, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25862

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.7, f.2.

Late Ordovician, Reedsville Fm. Interbedded calcareous mudstones and muddy siltstone, roadcut 1.5 mi E of Thom Hill, along US Rt. 255, Grainger Co., Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

***Homotrypa* sp. A**

HYPOTYPE YPM 25451

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.373, pl.70, f.2-4.

Middle Ordovician, Rockland Fm. 9 ft above base of measured section, S face of quarry, along US Rt. 67, Manny Corners, E of Amsterdam, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Jordanopora heroensis* Ross**

HOLOTYPE YPM 22233

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732, tbl.1, pl.105, f.1-5,7,8, pl.106, f.2-4,6,7.

Middle Ordovician, Chazy Fm. Mbr C, on E slope of hill, 0.6 mi SW of Rutland RR station, in South Hero village, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22234

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732, tbl.1, pl.105, f.6.

PARATYPE YPM 22235

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732, pl.106, f.1.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22252

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732.

Middle Ordovician, Chazy Fm. Mbr C, on E slope of hill, 0.6 mi SW of Rutland RR station, in South Hero village, South Hero Island, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22253

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

PARATYPE YPM 22254

Ross, J.P. 1963c. *Palaeont.* v.5, pt.4, p.732.

Middle Ordovician, Chazy Fm. Middle of Mbr B, at lake level (95 ft elevation) on Lake Champlain, E shore of Isle La Motte, 1.2 mi N16E of Holcomb Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

***Lamottopora duncanae* Ross**

HOLOTYPE YPM 22266

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59, pl.7, f.1-6,8,9.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22267

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59.

PARATYPE YPM 22269

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59, pl.7, f.7.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7090, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22274

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59, pl.8, f.3.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22285, 22286

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7090, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE YPM 22287-22297

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.59.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte

village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

***Meekopora parilis* Moore and Dudley**

HOLOTYPE YPM 50006^a

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.42, f.7, pl.46, f.5.^b

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, bed 9, and float from the next few higher beds, the side of the arroyo NE of Wolf Camp, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 25300

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.43, f.2, pl.45, f.8.^c

Permian, Word Fm. Lower Word, section 11, beds 1 and 2, 1.5 mi SW of Sullivan Peak, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 50002^a

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.42, f.4, pl.45, f.3.^d

Early Permian, Wolfcampian, Wolfcamp Fm. 1 mi NW of Wolfcamp, section 23, bed 12 of Wolfcamp section and above, differentiated into 2 parts, low and high, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 50003^a

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.39, f.6.^e

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, bed 4, Wolf Camp, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 50004^a

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.41, f.6, pl.44, f.5.^f

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, bed 8, Wolf Camp, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 50005^a

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.303, pl.37, f.6.^g

Early Permian, Wolfcampian, Wolfcamp Fm. Wolf Camp, 12 mi N35E of Marathon, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

^bIncorrectly cited as YPM 93-36.

^cIncorrectly cited as YPM 53.

^dIncorrectly cited as YPM 87-31.

^eIncorrectly cited as YPM 89-35.

^fIncorrectly cited as YPM 93-32.

^gIncorrectly cited as YPM 93-33.

***Meekoporella nexilis* Moore and Dudley**

HOLOTYPE YPM 25301

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.306, pl.37, f.7a,7b, pl.38, f.6,7, pl.39, f.5, pl.47, f.1-3, pl.48, f.4.^a

Early Permian, Wolfcampian, Wolfcamp Fm. Section 24, bed 8, Wolf Camp, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 90-31.

***Meekoporella repleta* Moore and Dudley**

HOLOTYPE YPM 25302

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.307, pl.37, f.1,2, pl.38, f.4, pl.39, f.4, pl.43, f.7, pl.47, f.7,8, pl.48, f.6.^a

Early Permian, Leonardian, Leonard Fm. Section 17, bed 14, richly fossiliferous horizon near middle of Leonard Fm, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

HYPOTYPE YPM 25305

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.307, pl.43, f.5, pl.47, f.6, pl.48, f.5,7.^b

Permian, Word Fm. Lower limestone, Section 12, 0.25 mi S of Peabody Locality B3074, and 0.2 mi E of Peabody Locality B3075, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 123-4.

^bIncorrectly cited as YPM 46-36.

***Mesotrypa regularis* (Foord)**

HYPOTYPE YPM 25417

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.1,2.

Middle Ordovician, Shoreham Fm. 28 ft base of part
of measured section, Rathbun Brook, 2.3 mi NW of
Newport, Herkimer Co., New York, USA. Collector:
Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25418

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.3,7.

HYPOTYPE YPM 25419

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.4.

HYPOTYPE YPM 25420

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.5.

HYPOTYPE YPM 25421

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.8.

Middle Ordovician, Rockland Fm. 4 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25422

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.67, f.6.

Middle Ordovician, Denmark Fm. 470 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25426

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.68, f.4.

Middle Ordovician, Denmark or Coburg Fm. 13 ft
above base of measured section, upper Denmark
or lower Coburg, Talcottville Quarry, on W side of
NY Rt. 120, N edge of Talcottville, Lewis Co., New
York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25429

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.365, pl.68, f.8.

Middle Ordovician, Denmark Fm. 470 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of

Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/26/1959.

Mesotrypa regularis(?) (Foord)

HYPOTYPE YPM 25425

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.368, pl.68, f.6.

Middle Ordovician, Denmark or Coburg Fm. 11 ft
above base of measured section, upper Denmark
or lower Coburg, Talcottville Quarry, on W side of
NY Rt. 120, N edge of Talcottville, Lewis Co., New
York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25427

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.368, pl.68, f.5.

HYPOTYPE YPM 25428

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.368, pl.68, f.7.

Middle Ordovician, Coburg Fm, Rust Mbr. 201 ft
above base of measured section, at Fourth Falls,
along West Canada Creek, Trenton Falls village,
Oneida Co., New York, USA. Collector: Ross,
J.P., 5/22/1958.

Monotrypa undulatus(?) (Nicholson)

HYPOTYPE YPM 25394

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.375, pl.71, f.1.

HYPOTYPE YPM 25395

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.375, pl.70, f.6,7.

Middle Ordovician, Shoreham Fm. 28 ft base of part
of measured section, Rathbun Brook, 2.3 mi NW of
Newport, Herkimer Co., New York, USA. Collector:
Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25452

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.375, pl.71, f.2-6.

Middle Ordovician, Shoreham Fm. 9 ft above base
of measured section, S face of quarry, along US Rt.
67, Manny Corners, E of Amsterdam, Montgomery
Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

***Monotrypella boonvillensis* Ross**

HOLOTYPE YPM 25439

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.3.

Middle Ordovician, Rockland Fm. 152 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/25/1959.

PARATYPE YPM 25434

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.4.

PARATYPE YPM 25435

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.5,6.

PARATYPE YPM 25436

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.8.

Middle Ordovician, Rockland Fm. 4 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25437

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.1,10.

PARATYPE YPM 25438

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.2.

PARATYPE YPM 25440

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.4.

PARATYPE YPM 25441

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.5.

Middle Ordovician, Rockland Fm. 152 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/25/1959.

PARATYPE YPM 25442

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.8.

Middle Ordovician, Rockland Fm. 6 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25443

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.73, f.9.

Middle Ordovician, Rockland Fm. 1 ft above base of
measured section, Sugar River, below RR trestle
at US Rt. 12, and 2.75 mi N of Boonville, Lewis Co.,
New York, USA. Collector: Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25430

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.1, pl.73, f.7.

HYPOTYPE YPM 25431

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.7.

Middle Ordovician, Rockland Fm? Near Champion,
Jefferson Co., New York, USA. Collector: Ross,
J.P., 7/27/1960.

HYPOTYPE YPM 25432

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.2.

Middle Ordovician, Coburg Fm? Martinsburg, Lewis
Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25433

Ross, J.P. 1970. J. Paleont. v.44, n.2,
p.376, pl.72, f.3, pl.73, f.6.

Middle Ordovician, Denmark Fm. 378 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P., 8/26/1959.

***Monticulipora* sp.**

HYPOTYPE YPM 25848

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.70, pl.3, f.1,3.

HYPOTYPE YPM 25849

Bretsky, P.W. 1970. Bull. Peabody Mus.
Nat. Hist. n.34, p.70, pl.3, f.2.

Late Ordovician, Reedsville Fm. Muddy siltstone,
roadcut 3.5 mi NW of Pattonville, along US Rt.
421 and 58, Powell Mountain, Lee Co., Virginia,
USA. Collector: Bretsky, P.W., 7/1966.

***Newportopora typicalis* Ross**

HOLOTYPE YPM 25177

Ross, J.P. 1967b. J. Paleont. v.41, n.3, p.640.

Middle Ordovician, Shoreham Fm, Rathbun Mbr.
Roadcut 1 mi W of Newport, Herkimer Co., New
York, USA. Collector: Ross, J.P., 8/28/1959.

PARATYPE YPM 25155^a

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.1.

PARATYPE YPM 25156

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.2.

Middle Ordovician, Shoreham Fm, Rathbun Mbr.
Roadcut 1 mi W of Newport, Herkimer Co., New
York, USA. Collector: Ross, J.P., 8/28/1959.

PARATYPE YPM 25157

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.3.

Middle Ordovician, Shoreham Fm. 40 ft base of part
of measured section, Rathbun Brook, 2.3 mi NW of
Newport, Herkimer Co., New York, USA. Collector:
Ross, J.P., 8/28/1959.

PARATYPE YPM 25159

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.5, pl.72, f.1.

PARATYPE YPM 25160

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.6.

PARATYPE YPM 25161

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.7.

Middle Ordovician, Shoreham Fm, Rathbun Mbr.
Roadcut 1 mi W of Newport, Herkimer Co., New
York, USA. Collector: Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25167

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.69, f.2.

Middle Ordovician, Denmark Fm. 407 ft above base
of measured section (contact with Precambrian),
W along Roaring Brook from NY Rt. 12, and E of
Martinsburg, Lewis Co., New York, USA. Collector:
Ross, J.P.

HYPOTYPE YPM 25168

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.69, f.3.

Middle Ordovician, Trentonian. Either Isle La Motte
or South Hero Island, Grand Isle Co., Vermont, USA.
Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 25169

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.69, f.7, pl.72, f.2.

Middle Ordovician, Trentonian. Probably Shoreham
Fm, West Canada Creek, near Trenton Falls village,
Oneida Co., New York, USA. Collector: Ross,
J.P., 7/28/1960.

^aA thorough search of the collections by the curatorial
staff in the 1960s and 1990s could not locate this
specimen. It is believed to be permanently lost.

***Newportopora typicalis?* Ross**

HYPOTYPE YPM 25158

Ross, J.P. 1967b. J. Paleont. v.41, n.3,
p.640, pl.68, f.4.

Middle Ordovician, Shoreham Fm, Rathbun Mbr.
Roadcut 1 mi W of Newport, Herkimer Co., New
York, USA. Collector: Ross, J.P., 8/28/1959.

***Nicholsonella* sp. A**

HYPOTYPE YPM 22275

Ross, J.P. 1963b. J. Paleont. v.37, n.1,
p.60, pl.8, f.10.

Middle Ordovician, Chazy Grp. From ledge in field
N of Duprey Rd. to Tracy Brook (middle of section of
Brainard and Seeley), near Chazy, Clinton Co.,
New York, USA. Collector: Raymond, P.E., 1903.

HYPOTYPE YPM 22276

Ross, J.P. 1963b. J. Paleont. v.37, n.1,
p.60, pl.8, f.1.

HYPOTYPE YPM 22277

Ross, J.P. 1963b. J. Paleont. v.37, n.1,
p.60, pl.8, f.7.

Middle Ordovician, Chazy Fm. Middle of Mbr B, 78 ft
above Peabody Locality C7075, W side of NY Rt. 348,
2 mi SW of center of Chazy village, Clinton Co.,
New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22298

Ross, J.P. 1963b. J. Paleont. v.37, n.1, p.60.

Middle Ordovician, Chazy Fm. 80 ft above base of
Mbr A, Brainard and Seely's section no. 1 (1888,
p.326), about 660 ft SW of intersection of Tracy Brook
and Duprey Rd., 1.0 mi SW of Chazy, Clinton Co.,
New York, USA. Collector: Ross, J.P., 7/24/1960.

***Nicholsonella* sp. B**

HYPOTYPE YPM 22278

Ross, J.P. 1963b. *J. Paleont.* v.37, n.1, p.61, pl.8, f.11.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7090, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

***Pachydictya ambigua* Ross**

HOLOTYPE YPM 20811

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, tbl.6, pl.44, f.2.

HYPOTYPE YPM 20810

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, pl.44, f.1.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Coral zone, W side of Ellis Bay, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20813

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, pl.44, f.4.

Late Ordovician, Ellis Bay Fm, Ellis Bay Zone 10. Lower zone of Cape Henry, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20814

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, pl.44, f.5.

HYPOTYPE YPM 20815

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, pl.44, f.6.

Early Silurian, Becscie Fm sensu J. Ross, Becscie zone 1. W side of Fox Bay, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20816

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, pl.45, f.9.

HYPOTYPE YPM 20824, 20825, 21176, 21177

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339, tbl.6.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Coral zone, W side of Ellis Bay, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 111333

Ross, J.P. 1961. *J. Paleont.* v.35, n.2, p.339.^a

Middle Silurian, Jupiter Fm. Jupiter zone 9 sensu J. Ross, mouth of Pavillon River, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

See also *Pachydictya* n. sp.

^aCited as YPM (Twenhofel 53) on p.341.

***Pachydictya sheldonensis* Ross**

HOLOTYPE YPM 22089

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74, n.5, p.590, tbl.4, pl.6, f.3,8, pl.9, f.5.

Middle Ordovician, Chazy Fm. Near top of Mbr B, 2-3 ft below Peabody Locality C7083, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22082

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74, n.5, p.590, tbl.4, pl.4, f.6.^a

PARATYPE? YPM 22084

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74, n.5, p.590, tbl.4, pl.5, f.2, pl.6, f.4.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22085

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74, n.5, p.590, tbl.4, pl.5, f.3-6.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7090, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

PARATYPE? YPM 22086

Ross, J.P. 1963d. *Bull. Geol. Soc. Am.* v.74, n.5, p.590, pl.5, f.7, pl.6, f.1.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base

of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22087

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.5, f.8.^a

Middle Ordovician, Chazy Fm. Near top of Mbr B, 2-3 ft below Peabody Locality C7083, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22090

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.6, f.5.^a

PARATYPE? YPM 22091

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.6, f.6.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22092

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.6, f.7.^a

Middle Ordovician, Chazy Fm. Near top of Mbr B, 2-3 ft above Peabody Locality C7082, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22133

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590.^a

Middle Ordovician, Chazy Fm. Near top of Mbr B, 2-3 ft below Peabody Locality C7083, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22134-22137

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590.^a

Middle Ordovician, Chazy Fm. Near top of Mbr B, 2-3 ft above Peabody Locality C7082, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22138-22144

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590.^a

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22145, 22147

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590.^a

PARATYPE? YPM 22146

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.10, f.7.^a

Middle Ordovician, Chazy Fm. Base of Mbr C, 2-5 ft above locality, S side of Sheldon Lane, 1.8 mi SE of Chazy village, and 0.4 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

PARATYPE? YPM 22149

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.10, f.8.^a

PARATYPE? YPM 22150, 22151

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590.^a

HYPOTYPE YPM 22083

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.5, f.1.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 22088

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.6, f.2.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 22109

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.4, f.8.

HYPOTYPE YPM 22180

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.6, f.9.

Middle Ordovician, Chazy Fm. Near base of Mbr C, 15-20 ft above Peabody Locality C7091, on SE hillslope, 1.3 mi S20E of center of Isle La Motte village, and just W of limestone quarry, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 30882^b

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.590, pl.3, f.4.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

^aCited as syntype.

^bThe specimen illustrated on pl.3, f.4 cannot be identified from among the 31 thin sections of this species in the collection. It may be one of the paratypes, or it may be lost.

Pachydictya n. sp.

HYPOTYPE YPM 20812

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1075.

=*Pachydictya ambigua* Ross. HYPOTYPE. Ross, J.P. 1961. J. Paleont. v.35, n.2, p.339, tbl.6, pl.44, f.3, pl.45, f.6

Early Silurian, Chicotte Fm, Chicotte zone 1. Jumpers, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

Paleschara sp.

HYPOTYPE YPM 26414

Cumings, E.R. 1904. Am. J. Sci. v.167, p.74, tf.78,79,80.

Early Devonian, Helderberg Grp. Shaly limestone, lower Helderberg, Indian Ladder [Thatcher State

Park], Albany Co., New York, USA. Collector: Beecher, C.E.

Peronopora sp.

HYPOTYPE YPM 25858

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.6, f.4.

Late Ordovician, Reedsville Fm. Muddy siltstone and calcareous mudstone interbedded with calcareous sandstone, roadcut 3.0 mi N of Mendota, along unpaved Mendota-Collinwood Rd., Russell Co., Virginia, USA. Collector: Bretsky, P.W., 6/1966.

HYPOTYPE YPM 25859

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.6, f.5.

Late Ordovician, Reedsville Fm. Interbedded calcareous mudstone and muddy siltstone, roadcut 1.5 mi E of Thom Hill, along US Rt. 255, Grainger Co., Tennessee, USA. Collector: Bretsky, P.W., 6/1966.

Peronopora? sp.

HYPOTYPE YPM 25860

Bretsky, P.W. 1970. Bull. Peabody Mus. Nat. Hist. n.34, p.74, pl.6, f.6.

Late Ordovician, Reedsville Fm. Muddy siltstone, roadcut 3.5 mi NW of Pattonville, along US Rt. 421 and 58, Powell Mountain, Lee Co., Virginia, USA. Collector: Bretsky, P.W., 7/1966.

Peronopora vera Ulrich

HYPOTYPE YPM 22753

Cumings, E.R. 1901. Am. Geol. v.28, n.6, p.362(footnote).

Ordovician, Cincinnati. Cincinnati, Ohio, USA. Collector: Cumings, E.R.

Phaenopora superba (Billings)

HYPOTYPE YPM 20471

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.334, pl.42, f.6.

HYPOTYPE YPM 20472

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.334, pl.42, f.3.

HYPOTYPE YPM 20817

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.334, tbl.2.

Middle Silurian, Gun River Fm, Gun River zone 3. St. Mary Cliff no. 3, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

"Phylloporina" sp. A

HYPOTYPE YPM 22160

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.7, f.12, pl.8, f.7.

Middle Ordovician, Chazy Fm. Middle of Mbr B, 78 ft above Peabody Locality C7075, W side of NY Rt. 348, 2 mi SW of center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22167

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.3.

HYPOTYPE YPM 22168

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.8.

HYPOTYPE YPM 22169

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.2.

HYPOTYPE YPM 22170

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.1.

Middle Ordovician, Chazy Fm. Near top of Mbr A, 300 ft N of Peabody Locality C7095, on NE slope of The Head, and 0.5 mi SW of Reynolds Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 22172^a

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.5.

Middle Ordovician, Chazy Fm. In roadcut, S side of Wait Bay, and 0.17 mi N60W of Reynolds Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

HYPOTYPE YPM 22173

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593, pl.8, f.4.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 22176

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593.

Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Rd. to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

HYPOTYPE YPM 22177, 22178

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.593.

Middle Ordovician, Chazy Fm. Near top of Mbr A, 300 ft N of Peabody Locality C7095, on NE slope of The Head, Isle La Motte, and 0.5 mi SW of Reynolds Point, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/20/1959.

^aA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

Polypora sp.

HYPOTYPE YPM 26407

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70, tf.71.

HYPOTYPE YPM 26408

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70,71, tf.72.

HYPOTYPE YPM 26409

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70,71, tf.73.

HYPOTYPE YPM 26410

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70,71, tf.74.

HYPOTYPE YPM 26411

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70, tf.75.

HYPOTYPE YPM 26412

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70,71, tf.76.

Early Devonian, Helderberg Grp. Shaly limestone, lower Helderberg, Indian Ladder, [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

HYPOTYPE YPM 26413

Cumings, E.R. 1904. Am. J. Sci. v.167, p.70,71, tf.77.

Middle Devonian, Hamilton Grp. Thedford, Ontario, Canada. Collector: Beecher, C.E.

HYPOTYPE YPM 26424

Cummings, E.R. 1905. *Am. J. Sci.* v.170, pl.6, f.34.

Early Devonian, Helderberg Grp. Lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA. Collector: Beecher, C.E.

***Prasopora selwynii* Nicholson**

HYPOTYPE YPM 25197

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.46, f.5.

HYPOTYPE YPM 25203

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.48, f.4.

HYPOTYPE YPM 25214

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.49, f.8, pl.50, f.4.

Middle Ordovician, Denmark or Coburg Fm. 11 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25215

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.49, f.10.

Middle Ordovician, Denmark or Coburg Fm. 3 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

***Prasopora shawi* Sparling**

HYPOTYPE YPM 25207

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.49, f.1, pl.50, f.3.

HYPOTYPE YPM 25208

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.49, f.2.

HYPOTYPE YPM 25209

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.414, pl.49, f.3.

Middle Ordovician, Denmark Fm. 470 ft above base of measured section (contact with Precambrian),

W along Roaring Brook from NY Rt. 12, and E of Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

***Prasopora simulatrix* Ulrich**

HYPOTYPE YPM 25188

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.47, f.1.

Middle Ordovician, Denmark Fm. 384 ft above base of measured section (contact with Precambrian), W along Roaring Brook from NY Rt. 12, and E of Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

HYPOTYPE YPM 25189

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.47, f.5.

Middle Ordovician, Shoreham Fm. 3 ft above base of measured section, outcrop in field, about 0.1 mi S of E-W road and 0.3 mi SE of Isle La Motte village, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 25190

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.47, f.3, pl.50, f.1-2.^a

Middle Ordovician, Denmark Fm? Along West Canada Creek, near Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25191

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.47, f.4.

Middle Ordovician, Shoreham Fm. 255 ft above base of measured section (contact with Precambrian), W along Roaring Brook from NY Rt. 12, and E of Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/25/1959.

HYPOTYPE YPM 25193

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.46, f.1.

Middle Ordovician, Shoreham Fm? 10 ft above base of measured section at bed of Steuben Creek where it crosses NY Rt. 28B, Trenton [=Barneveld], 1.3 mi NW of Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25194

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.46, f.2.

Middle Ordovician, Denmark Fm, Poland Mbr. 32 ft above base of measured section, Sherman Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25195

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.46, f.5.

Middle Ordovician, Shoreham Fm. 28 ft base of part of measured section, Rathbun Brook, 2.3 mi NW of Newport, Herkimer Co., New York, USA. Collector: Ross, J.P., 8/28/1959.

HYPOTYPE YPM 25211

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.49, f.5.

HYPOTYPE YPM 25212

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.49, f.7.

Middle Ordovician, Denmark Fm, Poland Mbr. 32 ft above base of measured section, Sherman Falls, along West Canada Creek, Trenton Falls village, Oneida Co., New York, USA. Collector: Ross, J.P., 7/28/1960.

HYPOTYPE YPM 25216

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, p.412, pl.49, f.9.

Middle Ordovician, Denmark or Coburg Fm. 4 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

^aIncorrectly cited as YPM 12590 in the explanation for pl.50, f.1.

***Prasopora* sp. 1^a**

HYPOTYPE YPM 25196

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.46, f.3.

HYPOTYPE YPM 25200

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.2.

HYPOTYPE YPM 25201

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.7.

HYPOTYPE YPM 25202

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.8.

Middle Ordovician, Denmark or Coburg Fm. 2 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25213

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.49, f.6.

Middle Ordovician, Denmark or Coburg Fm. 4 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

^aCited as "Transitional form between *Prasopora simulatrix* Ulrich and *P. sardesoni* Sparling."

***Prasopora* sp. 2^a**

HYPOTYPE YPM 25192

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.46, f.2.

Middle Ordovician, Denmark or Coburg Fm. 3 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25198

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.1.

Middle Ordovician, Denmark or Coburg Fm. 1 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

HYPOTYPE YPM 25199

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.3.

Middle Ordovician, Denmark or Coburg Fm. 3 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

^aCited as "Transitional form between *Prasopora simulatrix* Ulrich, *P. sardesoni* Sparling, and *P. selwynii* Nicholson."

***Prasopora* sp. 3^a**

HYPOTYPE YPM 25204

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.5.

HYPOTYPE YPM 25205

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.6.

HYPOTYPE YPM 25206

Ross, J.P. 1967a. *J. Paleont.* v.41, n.2, pl.48, f.9.

Middle Ordovician, Denmark or Coburg Fm. 4 ft above base of measured section, upper Denmark or lower Coburg, Talcottville Quarry, on W side of NY Rt. 120, N edge of Talcottville, Lewis Co., New York, USA. Collector: Ross, J.P., 8/27/1959.

^aCited as "Transitional form between *Prasopora simulatrix* Ulrich and *P. shawi* Sparling."

***Pseudostictoporella typicalis* Ross**

HOLOTYPE YPM 25453

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.378, pl.74, f.1,2,6,9.

Middle Ordovician, Rockland Fm. Creek bed, 0.25 mi W of Rt. 41, and about 0.5 mi NE of Selby, Ontario, Canada. Collector: Ross, J.P., 5/15/1964.

PARATYPE YPM 25454

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.378, pl.74, f.3,5.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill Fm, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

PARATYPE YPM 25455

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.378, pl.74, f.4.

Middle Ordovician, Coburg Fm?. Martinsburg, Lewis Co., New York, USA. Collector: Ross, J.P., 8/26/1959.

PARATYPE YPM 25456

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.378, pl.74, f.7.

Early Ordovician, Tribes Hill Fm. 2 ft above base of measured section, top of Tribes Hill Fm, Canajoharie Creek, edge of Canajoharie village, Montgomery Co., New York, USA. Collector: Ross, J.P., 8/29/1959.

PARATYPE YPM 25457

Ross, J.P. 1970. *J. Paleont.* v.44, n.2, p.378, pl.74, f.8.

Middle Ordovician, Rockland Fm. 6 ft above Peabody Locality C5836, creek bed, 0.25 mi W of Rt 41, and about 0.5 mi NE of Selby, Ontario, Canada. Collector: Ross, J.P., 5/15/1964.

***Ptilodictya denticulata* Ross**

HYPOTYPE YPM 20822, 20823

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1066, p.1074, tbl.4.

Ordovician, English Head Fm, English Head zone 4. Baie Ste. Claire, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H., 1909.

***Ptilodictya ensiformis* (Hall)^a**

HYPOTYPE YPM 20398

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1067, p.1074, tbl.5, pl.126, f.6.^b

Late Ordovician, Vaureal Fm, Vaureal zone 4. Harvey Point, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20399

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1067, pl.126, f.5.

Middle Silurian, Jupiter Fm, Jupiter zone 2-4. East Cliff, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20819

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1067, p.1074, tbl.5.

Late Ordovician, Ellis Bay Fm, Ellis Bay Zone 7. Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20820

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1067, p.1074, tbl.5.

Late Ordovician, Ellis Bay Fm, Ellis Bay Zone 10. Cape Eagle, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20821

Ross, J.P. 1960b. *J. Paleont.* v.34, n.6, p.1067, p.1075, tbl.5.

Middle Silurian, Jupiter Fm, Jupiter zone 4. East Cliff D, Anticosti Island, Quebec, Canada.
Collector: Twenhofel, W.H.

^aYPM 20400 is incorrectly cited as *Ptilodictya ensiformis* on p.1068 and p.1074 of Ross (1960b); see Ross (1961), *Stictopora* sp. A.

^bIncorrectly cited as *Ptilodictya sulcata* on p.1070.

***Ptilodictya sulcata* Billings**

HYPOTYPE YPM 20475

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1069, pl.125, f.1.

Middle Silurian, Jupiter Fm, Jupiter zone 2-4. East Cliff, Anticosti Island, Quebec, Canada.
Collector: Twenhofel, W.H.

***Retepora phoenicea* Busk**

HYPOTYPE YPM 26438

Cumings, E.R. 1905. Am. J. Sci. v.170, pl.6, f.28.

HYPOTYPE YPM 26439

Cumings, E.R. 1905. Am. J. Sci. v.170, pl.6, f.29.

Recent. St. Vincent Gulf, Australia.

***Rhinidictya fenestrata* (Hall)**

HYPOTYPE YPM 26272

Twenhofel, W.H. 1938. Spec. Pap. Geol. Soc. Am. n.11, p.44, pl.6, f.8.

Middle Ordovician, Mingan Fm. Basal 30 ft of limestones of the Mingan Fm, Quin Island, Mingan Islands, Gulf of St. Lawrence, Quebec, Canada.
Collector: Twenhofel, W.H.

***Stictopora fenestrata* Hall**

HYPOTYPE YPM 22153

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.1.

Middle Ordovician, Chazy Fm. Float, near base of Mbr B or top of Mbr A, near Peabody Locality C7075 in small quarry on E side of NY Rt. 348, 3 mi SW of the center of Chazy village, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22154

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.2.

Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Rd. to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

HYPOTYPE YPM 22156

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.4.

Middle Ordovician, Chazy Fm. Top of Mbr B, 5 ft above Peabody Locality C7083 and 14 ft above base of section, S side of Sheldon Lane, 1.8 mi SE of Chazy village, 0.3 mi E of intersection of US Rt. 9 and Sheldon Lane, Clinton Co., New York, USA. Collector: Ross, J.P., 8/19/1959.

HYPOTYPE YPM 22158

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.7.

HYPOTYPE YPM 22159^a

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.11.

Middle Ordovician, Chazy Grp. From ledge in field N of Duprey Rd. to Tracy Brook (middle of section of Brainard and Seeley), near Chazy, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

HYPOTYPE YPM 22161

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.7, f.6.

Middle Ordovician, Chazy Grp. Lower part of member 8 (from about B2 of [Brainard and Seeley] section 2), from R.S. McCullough's sugar bush, near Chazy village, Clinton Co., New York, USA. Collector: Raymond, P.E., 1903.

^aA thorough search of the collections by the curatorial staff in the 1960s and 1990s could not locate this specimen. It is believed to be permanently lost.

***Stictopora* sp. A**

HYPOTYPE YPM 20400

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.336, pl.43, f.9.^a

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 4. Cliff 0.5 mi E of Junction Cliff, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 21179

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1074.

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.336, tbl.4, pl.43, f.2,3.

Late Ordovician, Ellis Bay Fm, Ellis Bay zone 2. Cliff 0.5 mi E of Junction Cliff, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 21180

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.336, p.343, tbl.4.

Late Ordovician, Vaureal Fm, Vaureal Zone 3-4. Second cliff on W side of Observation Cape, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 22171

Ross, J.P. 1963d. Bull. Geol. Soc. Am. v.74, n.5, p.591, pl.8, f.6.

Middle Ordovician, Chazy Fm. Mbr C, 1 mi S25E of Isle La Motte village toward Jordan Point, Isle La Motte, Grand Isle Co., Vermont, USA. Collector: Ross, J.P., 8/21/1959.

HYPOTYPE YPM 22299

Ross, J.P. 1964. J. Paleont. v.38, n.1, p.26, pl.5, f.10-12.

Ordovician, Trenton Grp. Newborough [probably Newburgh], Orange Co., New York, USA.

^aIncorrectly cited as *Ptilodictya ensiformis* on p.343 and in Ross (1960) on p.1068 and p.1074.

***Stictopora* sp. indet.**

HYPOTYPE YPM 21178

Ross, J.P. 1961. J. Paleont. v.35, n.2, p.337, p.343, tbl.5.

Late Ordovician, English Head Fm, English Head zone 4. Carleton Point, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

***Stictoporella excellens* (Billings)**

HYPOTYPE YPM 20470

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1072, p.1075, pl.128, f.2.

Middle Silurian, Jupiter Fm, Jupiter zone 10 sensu J. Ross. Jumpers, lower beds, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20473

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1072, p.1074, pl.128, f.5.

Late Ordovician, Ellis Bay Fm, Ellis Bay Zone 10. Unit 22, Vaureal River section, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20474

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1072, p.1075, pl.128, f.7.

Middle Silurian, Jupiter Fm, Jupiter zone 9. Bell River, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

HYPOTYPE YPM 20818

Ross, J.P. 1960b. J. Paleont. v.34, n.6, p.1072, p.1075, tbl.7.

Middle Silurian, Jupiter Fm, Jupiter zone 10 sensu J. Ross. Jumpers, lower beds, Anticosti Island, Quebec, Canada. Collector: Twenhofel, W.H.

***Triphyllotrypa definita* Moore and Dudley**

HOLOTYPE YPM 25287

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.294, pl.16, f.2, pl.30, f.8.^a

Early Permian, Leonardian, Leonard Fm. Section 17, bed 14, richly fossiliferous horizon near middle of Leonard Fm, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 123-35.

***Triphyllotrypa proiecta* Moore and Dudley**

HOLOTYPE YPM 25288

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.294, pl.16, f.5, pl.22, f.6, pl.30, f.1, pl.36, f.6.^a

Early Permian, Leonardian, Leonard Fm. Section 14, top of bed 12, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 12-35.

***Triphyllotrypa spissa* Moore and Dudley**

HOLOTYPE YPM 25299

Moore, R.C. and R.M. Dudley. 1944. Bull. Kans. Geol. Surv. n.52, pt.6, p.295, pl.5, f.7, pl.16, f.8, pl.36, f.7.

Early Permian, Leonardian, Leonard Fm. Section 17, bed 14, richly fossiliferous horizon near middle of Leonard Fm, Glass Mountains, Brewster Co., Texas, USA. Collector: King, R.E.

^aIncorrectly cited as YPM 123-36.

***Unitrypa* sp.**

HYPOTYPE YPM 26404

Cumings, E.R. 1904. Am. J. Sci. v.167, p.67,69, tf.63-65.

HYPOTYPE YPM 26405

Cumings, E.R. 1904. Am. J. Sci. v.167, p.67,69, tf.66-68.

HYPOTYPE YPM 26406

Cumings, E.R. 1904. Am. J. Sci. v.167, p.67, tf.70.

Early Devonian, Helderberg Grp. Shaly limestone, lower Helderberg, Indian Ladder [Thatcher State Park], Albany Co., New York, USA.

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